Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/24/2019 11:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123707	-2	2.88	123695	2.91
Blue	F	SSC	125000	124147	-1	4.58	124954	4.56
Blue	E	FITC	16694	16213	-3	4.33	376	21.68
Blue	D	PE	32792	32321	-2	3.72	713	16.10
Blue	B	PerCP-Cy5-5	44451	44060	-1	5.14	1212	23.13
Blue	A	PE-Cy7	33645	33468	-1	7.31	601	48.07
Red	C	APC	47008	46683	-1	3.19	1809	13.37
Red	A	APC-Cy7	32298	32065	-1	3.16	802	13.95
Violet	B	V450	8961	8666	-4	4.74	481	14.22
Violet	A	V500	32726	32317	-2	4.60	775	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20140	4.69	608	-5	N/A	N/A	Pass
Blue	F	SSC	56124	4.17	578	10	N/A	N/A	Pass
Blue	E	FITC	64	68.96	564	1	0.0158	99	Pass
Blue	D	PE	139	58.36	568	2	0.1484	343	Pass
Blue	B	PerCP-Cy5-5	224	54.98	671	0	0.0072	27	Pass
Blue	A	PE-Cy7	119	118.61	726	0	0.0090	24	Pass
Red	C	APC	412	28.86	611	-2	0.0195	160	Pass
Red	A	APC-Cy7	198	31.83	583	-2	0.0048	1297	Pass
Violet	B	V450	71	68.43	481	-5	0.0483	2422	Pass
Violet	A	V500	111	38.17	492	-4	0.0215	1118	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.33	-32.11	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.86	13.60 - 20.40	N/A	N/A	29.47	29.79	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13074

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments